

IN THE CLAIMS

Please cancel claim 1 without prejudice.

Claims 1-19. (Cancelled).

20. (Previously Presented) A method, comprising:
establishing a set of occurrences of a physical event;
determining a degree of association for each occurrence; and,
identifying a subset of the occurrences having a degree of association less
than a predetermined value.

21. (Previously Presented) A method, as set forth in claim 20, wherein each
occurrence includes an associated location.

22. (Previously Presented) A method, as set forth in claim 21, wherein the
degree of association represents a proximity between each occurrence and another
occurrence.

23. (Previously Presented) A method, as set forth in claim 22, wherein the
proximity is based on at least one reference location..

24. (Previously Presented) A method, as set forth in claim 23, the reference
location being defined by a model of an at-risk population.

25. (Previously Presented) A method, as set forth in claim 24, the model
representing the spatial-density of the at-risk population.

26. (Previously Presented) A method, as set forth in claim 21, wherein each associated location is an estimate of the location of the occurrence.

27. (Previously Presented) A method, as set forth in claim 26, including the step of modifying the estimate of the location of the occurrence as a function of the degree of association.

28. (Previously Presented) A method, as set forth in claim 20, the physical event having a parameter, each occurrence having a value of the parameter, the method further comprising the steps of:

comparing the value of the parameter of each occurrence with a second predetermined value; and,

including, in the subset, occurrences whose value of the parameter exceeds the second predetermined value.